



# *Thermobispora bispora* (Henssen) Wang et al.

15737™

## Description

**Strain designation:** IMRU 3759

**Deposited As:** *Microbispora bispora* (Henssen) Lechevalier

**Type strain:** No

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## Storage Conditions

**Product format:** Freeze-dried

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always

used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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### **Certificate of Analysis**

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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### **Growth Conditions**

**Medium:**

ATCC Medium 151: Oatmeal agar

**Temperature:** 50°C

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### **Handling Procedures**

- 1. Open vial according to the enclosed instructions.**
- 2. Using a single tube of #1877 broth (5 to 6 ml), withdraw approximately 0.5 ml to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.**
- 3. Aseptically transfer this aliquot back into the broth tube and mix well.**
4. Use several drops of the suspension to inoculate a second tube of broth, a #527 slant and/or plate.

5. Incubate all tubes and plate at 50°C for 5 to 7 days.
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## Notes

This is a slow-growing thermophilic strain. Incubation at 45-50°C is optimal for initial growth. Aerial mycelium occurs on ATCC Medium #527 agar. Growth is poor, substrate mycelia are colorless to yellow-brown. Aerial mycelia are chalk white. Screw caps are recommended for broth and slant tubes, and plates should be taped with parafilm to avoid dryness. Excessive condensation on the plates or slants may inhibit aerial mycelium development.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermobispora bispora* (Henssen) Wang et al. (ATCC 15737)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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